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(54) COMMUNICATION EQUIPMENT SYSTEM AND COMMUNICATION  
EQUIPMENT

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a communication equipment system and communication equipment by which the use of a portable communication equipment is limited at a specific location.

SOLUTION: Portable communication equipment 10 is e.g. a portable telephone set and builds-in a noncontact IC module 30. A gate device 50 makes communication by using the noncontact IC module 30 and a radio wave. The noncontact IC module 30 stores identification data received from the gate device 50 to a memory 33. The portable communication equipment 10 prohibits or permits a speech operation in a communication equipment part 20 based on identification data stored in the memory 33.

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## CLAIMS

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[Claim(s)]

[Claim 1] The communication equipment system characterized by having the gating arrangement which transmits the signal which controls actuation of other communication equipment, the portable communication equipment which has the communication equipment section which transmits and receives using an electromagnetic wave, and the communication equipment in which said cellular phone is possible, and IC module which receives the signal which said gating arrangement transmitted and is built into the communication equipment in which the cellular phone concerned is possible.

[Claim 2] It is the communication equipment system which said gating arrangement has the antenna section which transmits a signal in a communication equipment system according to claim 1, and is characterized by said IC module having the antenna section which receives the signal which said gating arrangement transmitted.

[Claim 3] In a communication equipment system according to claim 1 said IC module The instruction-processing function to process the received signal, and

the memory holding data including said a part of signal [ at least ] which received, The R/W function which controls the writing about said memory, and read-out, It has the contact which contacts electrically to the contact which the communication equipment in which said cellular phone is possible has. The communication equipment in which said cellular phone is possible The communication equipment system characterized by having the communication equipment control function which reads data in the memory in said IC module, is due to this data, and permits / forbids emission of said electromagnetic wave.

[Claim 4] Communication equipment characterized by incorporating the non-contact IC module which has a means to receive a predetermined signal from the outside, and the instruction-processing function for it to be based on said received predetermined signal, and to permit / forbid sending out of said electromagnetic wave, in other communication equipment and the portable communication equipment which has the communication equipment section which transmits and receives using an electromagnetic wave.

[Claim 5] It is the communication equipment system characterized by having the response monitoring facility as which the signal with which said IC module received the communication equipment in which said cellular phone is possible from said gating arrangement in the communication equipment system according to claim 1 is incorporated from the IC module concerned, and the

contents of the incorporated signal are displayed.

[Claim 6] It is the communication equipment system characterized by having the power control function to incorporate the signal with which said IC module received the communication equipment in which said cellular phone is possible from said gating arrangement in the communication equipment system according to claim 1 from the IC module concerned, and to control at least ON and off one side of the power source of the communication equipment in which the cellular phone concerned is possible based on the contents of the incorporated signal.

[Claim 7] It is the communication equipment system characterized by receiving an electromagnetic wave including said signal with which said gating arrangement transmitted said IC module in the communication equipment system according to claim 1, and having the power conversion function to transform a part of the electromagnetic wave [ at least ] into power.

[Claim 8] It is the communication equipment system characterized by attaching said IC module possible [ removal and inclusion ] in a communication equipment system according to claim 1 in the communication equipment in which said cellular phone is possible.

[Claim 9] It is the communication equipment system characterized by driving with the dc-battery which the communication equipment which the communication

equipment in which said cellular phone is possible, and said IC module can carry [ concerned ] contains in a communication equipment system according to claim 1.

[Claim 10] It is the communication equipment system characterized by having the external terminal received through the communication equipment which can carry [ said ] the signal with which said IC module was sent out from said gating arrangement in the communication equipment system according to claim 1.

[Claim 11] It is the communication system characterized by having the wearing condition acknowledgement function which detects whether the communication equipment in which said cellular phone is possible has equipped with said IC module in the initial stage behind powering on in a communication equipment system according to claim 1.

[Claim 12] The communication equipment in which said cellular phone is possible is a communication equipment system characterized by having the stop function of operation which suspends actuation of the communication equipment in which the cellular phone concerned is possible when it is judged that said wearing condition acknowledgement function has not equipped with said IC module in a communication equipment system according to claim 11.

[Claim 13] The communication equipment in which said cellular phone is possible is a communication equipment system characterized by having the

accessing function which reads [ in / on a communication equipment system according to claim 3 and / the initial stage behind powering on ] the contents of the memory of said IC module.

[Claim 14] It is the communication equipment system characterized by having the buzzer function which emits a sound when the contents in which said accessing function read the communication equipment in which said cellular phone is possible in the communication equipment system according to claim 13 are what forbids emission of said electromagnetic wave.

[Claim 15] It is the communication equipment system characterized by having the display function which gives a specific indication when the contents in which said accessing function read the communication equipment in which said cellular phone is possible in the communication equipment system according to claim 13 are what forbids emission of said electromagnetic wave.

[Claim 16] It is the communication equipment system characterized by arranging the antenna section of said IC module in a communication equipment system according to claim 2 on the front face of the communication equipment in which said cellular phone is possible.

[Claim 17] It is the communication equipment system characterized by for said IC module being built into the communication equipment in which said cellular phone is possible disengageable in a communication equipment system



according to claim 2 by parts other than the antenna section and the antenna section, and attaching only parts other than said antenna section possible [ removal and the inclusion to the communication equipment in which said cellular phone is possible ].

[Claim 18] It is the communication equipment system which has the connection terminal with which said antenna section contacts parts other than said antenna section electrically in a communication equipment system according to claim 17, and is characterized by parts other than said antenna section having the contact which contacts said antenna section electrically.

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## DETAILED DESCRIPTION

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[Detailed Description of the Invention]

[0001]

[Field of the Invention] This invention relates to the communication equipment system and communication equipment incorporating the non-contact IC module which can restrict actuation of the communication equipment in a specific location especially about the portable communication equipment of a cellular phone etc.

[0002]

[Description of the Prior Art] As conventional communication equipment, a cellular phone, a digital cordless phone, etc. are portable. If this cellular phone and digital cordless phone are in a predetermined service area, wherever its user may be in, they can telephone by radio. For example, also in public and social locations, such as a theater, a movie theater, a library, and a pachinko parlor, portable communication equipment can be used in a hospital.

[0003]

[Problem(s) to be Solved by the Invention] However, possibility of malfunctioning and stopping medical electronic equipment and equipment which are used in the hospital etc. in the communication equipment in which the conventional cellular phone is possible by the electric wave which the communication equipment in which the cellular phone is possible emits since it can be used in a hospital is \*\*. The effect which gives this to the patient who is treated by the medical electronic equipment is large, and when the worst, it poses a problem in connection with life and death.

[0004] Moreover, there is a problem also in using portable communication equipment on the inside of a shop of a pachinko parlor etc. This is using the communication equipment immediately near the pachinko base, and is that the electric wave which the communication equipment emits makes the pachinko

base of electronics control malfunction.

[0005] In addition, in public and social locations, such as a theater, a movie theater, and a library, there is a place to forbid use of portable communication equipment. However, it is difficult to restrict the drag-in of the communication equipment in which the cellular phone to such a location is possible, and use of the communication equipment in which this cellular phone is possible had to be left to a user's manners. Operating vehicles, such as an automobile, the users who communicate with portable communication equipment are increasing in number, and the accident by these users has been increasing every year further again.

[0006] This invention is made under such a background and aims at offering the communication equipment system and communication equipment which can restrict use of the portable communication equipment in a specific location.

[0007]

[Means for Solving the Problem] The communication-equipment system which applies to invention according to claim 1 in order to solve the technical problem which mentioned above is characterize by to have the gating arrangement which transmits the signal which controls actuation of other communication equipment , the portable communication equipment which has the communication-equipment section which transmits and receives using an

electromagnetic wave , and the communication equipment in which said cellular phone is possible , and the IC module which receive the signal which said gating arrangement transmitted and are build into the communication equipment in which the cellular phone concerned is possible .

[0008] Moreover, it is characterized by for invention according to claim 2 having the antenna section to which said gating arrangement transmits a signal in a communication equipment system according to claim 1, and said IC module having the antenna section which receives the signal which said gating arrangement transmitted.

[0009] Invention according to claim 3 is set to a communication equipment system according to claim 1. Moreover, said IC module The instruction-processing function to process the received signal, and the memory holding data including said a part of signal [ at least ] which received, The R/W function which controls the writing about said memory, and read-out, It has the contact which contacts electrically to the contact which the communication equipment in which said cellular phone is possible has. The communication equipment in which said cellular phone is possible It is characterized by having the communication equipment control function which reads data in the memory in said IC module, is due to this data, and permits / forbids emission of said electromagnetic wave.

[0010] moreover , communication equipment concerning invention according to claim 4 be characterize by to incorporate the non-contact IC module which have a means to receive a predetermined signal from the outside , and the instruction processing function for it to be base on said received predetermined signal , and to permit / forbid sending out of said electromagnetic wave in the portable communication equipment which have the communication equipment section which transmit and receive using other communication equipment and electromagnetic waves .

[0011] Moreover, in the communication equipment system according to claim 1, the communication equipment in which said cellular phone is possible incorporates the signal which said IC module received from said gating arrangement from the IC module concerned, and invention according to claim 5 is characterized by having the response monitoring facility which displays the contents of the incorporated signal.

[0012] Moreover, in the communication equipment system according to claim 1, the communication equipment in which said cellular phone is possible incorporates the signal which said IC module received from said gating arrangement from the IC module concerned, and invention according to claim 6 is characterized by having the power control function to control at least ON and off one side of the power source of the communication equipment in which the

cellular phone concerned is possible based on the contents of the incorporated signal.

[0013] Moreover, it is characterized by for invention according to claim 7 receiving the electromagnetic wave in which said IC module includes said signal which said gating arrangement transmitted in a communication equipment system according to claim 1, and having the power conversion function to transform a part of the electromagnetic wave [ at least ] into power.

[0014] Moreover, invention according to claim 8 is characterized by attaching said IC module possible [ removal and inclusion ] in the communication equipment in which said cellular phone is possible in the communication equipment system according to claim 1.

[0015] Moreover, invention according to claim 9 is characterized by driving the communication equipment in which said cellular phone is possible, and said IC module with the dc-battery which the communication equipment in which the cellular phone concerned is possible contains in the communication equipment system according to claim 1.

[0016] Moreover, it is characterized by invention according to claim 10 having the external terminal received in a communication equipment system according to claim 1 through the communication equipment [ said IC module ] which can carry [ said ] the signal sent out from said gating arrangement.

[0017] Moreover, invention according to claim 11 is characterized by having the wearing condition acknowledgement function which detects whether the communication equipment in which said cellular phone is possible has equipped with said IC module in the initial stage behind powering on in the communication equipment system according to claim 1.

[0018] Moreover, it is characterized by invention according to claim 12 having the stop function of operation to which the communication equipment in which said cellular phone is possible suspends actuation of the communication equipment in which the cellular phone concerned is possible when said wearing condition acknowledgement function judges that it has not equipped with said IC module in a communication equipment system according to claim 11.

[0019] Moreover, it is characterized by invention according to claim 13 having the accessing function in which the communication equipment in which said cellular phone is possible reads the contents of the memory of said IC module in the initial stage behind powering on in a communication equipment system according to claim 3.

[0020] Moreover, it is characterized by invention according to claim 14 having the buzzer function which emits a sound when the communication equipment in which said cellular phone is possible is what the contents which said accessing function read forbid emission of said electromagnetic wave in a communication

equipment system according to claim 13.

[0021] Moreover, it is characterized by invention according to claim 15 having the display function which gives a specific indication when the communication equipment in which said cellular phone is possible is what the contents which said accessing function read forbid emission of said electromagnetic wave in a communication equipment system according to claim 13.

[0022] Moreover, invention according to claim 16 is characterized by arranging the antenna section of said IC module on the front face of the communication equipment in which said cellular phone is possible in the communication equipment system according to claim 2.

[0023] Moreover, invention according to claim 17 is included in the communication equipment in which said cellular phone is possible in communication equipment according to claim 2 disengageable [ said IC module ] into parts other than the antenna section and the antenna section, and only parts other than said antenna section are characterized by being attached possible [ removal and the inclusion to the communication equipment in which said cellular phone is possible ].

[0024] Moreover, invention according to claim 18 is characterized by having the connection terminal which contacts as electrically [ said antenna section ] as parts other than said antenna section, and parts other than said antenna section



having the contact which contacts said antenna section electrically in communication equipment according to claim 17.

[0025]

[Embodiment of the Invention] Hereafter, the operation gestalt of this invention is explained with reference to a drawing.

A: The block diagram 1 of an operation gestalt is a block diagram showing the communication equipment structure of a system concerning the operation gestalt of this invention. This communication system consists of the portable communication equipment 10, a repeater 40 only for communication equipment, and a gating arrangement 50.

[0026] The portable communication equipment 10 is a cellular phone, and has incorporated the non-contact IC module 30. The repeater 40 only for communication equipment performs the communication link by portable communication equipment 10 and a portable electric wave, and relays an electric wave to the portable communication equipment 10 and other communication equipment in between. A gating arrangement 50 communicates using the non-contact IC module 30 and an electric wave.

[0027] Next, the detail of the portable communication equipment 10 is explained.

An electric power switch 11 is a switch which turns on / turns off the power source which drives the communication equipment 10 in which the cellular

phone concerned is possible. The dc-battery power source 12 is a power source which drives the communication equipment 10 in which the cellular phone concerned is possible. The communication equipment control function 13 reads discernment data from the memory 33 in a non-contact IC module, when put into an electric power switch 11, and it controls actuation of the communication equipment section 20 in the communication equipment 10 in which the cellular phone concerned is possible. Here, discernment data mean the data which permit or forbid communication link actuation with the portable communication equipment 10 and other communication equipment, i.e., message actuation.

[0028] The communication equipment section 20 controls the message actuation in the conventional cellular phone. The transmit/receive control section 21 controls the transmission and reception of an electric wave used for telephone communication between the repeaters 40 only for communication equipment. The message functional control section 22 controls the message actuation in telephone communication. The dial functional control section 23 controls the dial function in telephone communication. The antenna section 24 transmits and receives the electric wave used for telephone communication.

[0029] Next, the non-contact IC module 30 is explained. The transmit/receive control section 31 transmits and receives an electric wave between gating arrangements 50. The instruction-processing function 32 processes the

instruction which the transmit/receive control section 31 received from the gating arrangement 50. Memory 33 memorizes data including the instruction received from the gating arrangement 50. The R/W function 34 controls rewriting and read-out of data to memory 33.

[0030] Next, the repeater 40 only for communication equipment is explained.

The transmit/receive control section 41 transmits and receives an electric wave between the communication equipment sections 20 in the portable communication equipment 10 using the antenna section 43. The repeater function 42 only for communication equipment receives the electric wave transmitted from a certain communication equipment, transmits the received electric wave to the communication equipment of further others, and carries out junction about transmission and reception of an electric wave.

[0031] Next, a gating arrangement 50 is explained. The transmit/receive control section 51 transmits and receives an electric wave using the antenna section 53 between the non-contact IC modules 30 built into the portable communication equipment 10. The gate device control function 52 reads the discernment data currently written in the memory 33 of the non-contact IC module 30 using the transmit/receive control section 51. And according to the read contents, if the gate device control function 52 is required, it will transmit the signal containing new discernment data to the non-contact IC module 30.

[0032] B: Explain actuation of an operation gestalt, next actuation of the communication equipment system which consists of the above-mentioned configuration. Drawing 2 is a flow chart which shows actuation of the portable communication equipment 10 in the communication equipment system of this operation gestalt. The communication equipment control function 13 reads discernment data from memory 33 periodically, and this flow chart shows the case where check processing of message authorization / prohibition is carried out.

[0033] First, if an electric power switch 11 is turned ON, specifically, the communication equipment control function 13 will reset the non-contact IC module 30 (S1). Then, the communication equipment control function 13 incorporates an initial data from the memory 33 of the non-contact IC module 30 (S2). Here, an initial data is data which permit / forbid sending an electric wave from the antenna section 24, and is data defined beforehand. And it judges whether it is data with which the initial data permits dispatch of being the right, i.e., an electric wave, (S3).

[0034] When an initial data is data in which authorization is shown, the communication equipment control function 13 sends the instruction of the purport which reads discernment data from memory 13 to the instruction-processing function 32 (S4). And a note of the instruction-processing

function of the non-contact IC module 30 is made using the R/W function 34, it reads discernment data from 33, and sends this to the communication equipment control function 13 (S5).

[0035] And the communication equipment control function 13 judges whether it is data with which the sent discernment data permit dispatch of the electric wave from the antenna section 24 (S6). Here, when it is data which permit dispatch of the electric wave, the function of the communication equipment section 20 is started (S7). And the message functional control section 22 of the communication equipment section 20 stands by, checking a talk state (S8).

[0036] On the other hand, in step 6, when it is not data with which discernment data permit dispatch of an electric wave, it notifies that it is in an electric-wave dispatch prohibition condition to ((communication equipment section 20)) (S9). Then, the communication equipment control function 13 turns OFF an electric power switch 11 (S10), and terminates processing actuation of the communication equipment 10 portable now.

[0037] Moreover, when an initial data is not right \*\* data in step 3, processing of steps 4-8 is not performed, but each processing of steps 9 and 10 is performed. That is, when an initial data is not a right thing, it notifies that it is in an electric-wave dispatch prohibition condition, and an electric power switch 11 is turned OFF.

[0038] Since portable communication equipment judges whether it is the condition which may send an electric wave from the discernment data written in the memory of a non-contact IC module by these according to this operation gestalt, the message by the communication equipment in which the cellular phone in specific locations, such as inside of a hospital and a library, concerned is possible can be restricted.

[0039] That is, for example, the gating arrangement 50 is installed in the inlet port of a hospital etc., and message actuation of the communication equipment in which the cellular phone is possible can be forbidden because the gating arrangement 50 writes in the discernment data which forbid electric-wave dispatch to the memory of a non-contact IC module.

[0040] Drawing 3 is a flow chart which shows other actuation of the portable communication equipment 10 in the communication equipment system of this operation gestalt. This flow chart shows the case where the monitor of that response is carried out, about the renewal instruction of discernment data which the communication equipment control function 13 received from the gating arrangement 50. And as a result of the monitor, the discernment data memorized in memory are read at the time of the response of updating, and check processing is carried out.

[0041] In this flow chart, steps 21-28 and steps 30 and 31 are the same

processings as steps 1-10 in the flow chart shown in drawing 2 . And only processing of step 29 differs from the flow chart shown in drawing 2 . At step 29, the communication equipment control function 13 judges whether the normal response about renewal of discernment data was received from the non-contact IC module 30. Here, when it is judged that it is a normal response, i.e., the response which updates discernment data, it goes to step 24. And the discernment data currently written in memory 33 are read, and check processing of being a thing in which the discernment data permits electric-wave dispatch is carried out (S25, S26 grade).

[0042] Since it is always supervising whether discernment data were updated by the signal which was received from the gating arrangement by these according to this operation gestalt, when moving communication equipment portable to the location which forbids a message from the location which permits a message, the message by the communication equipment in which the cellular phone is possible can be forbidden immediately.

[0043] Drawing 4 is a flow chart which shows actuation of the gating arrangement in the communication equipment system of this operation gestalt. This flow chart shows actuation of the gating arrangement at the time of that entrance in case the user who possessed portable communication equipment enters a specific location.

[0044] Specifically, the gate device control function 52 in a gating arrangement 50 reads discernment data from the memory 33 in the non-contact IC module 30 first (S41). And the gate device control function 52 judges whether it is data which permit the electric-wave dispatch for a message of the discernment data (S42). Here, when it is judged that it is data with which discernment data permit electric-wave dispatch, the gate device control function 52 updates the discernment data memorized in the memory 33 of the non-contact IC module 30 to the data of the ban on electric-wave dispatch using the transmit/receive control section 51 and the antenna section 53 (S43).

[0045] On the other hand, when it is judged that discernment data are data which forbid electric-wave dispatch in step 42, renewal of data of step 43 is not performed, but a condition with the prohibition is maintained.

[0046] When entering the location of specification [ a user with portable communication equipment ] by these according to this operation gestalt, since a gating arrangement can rewrite the discernment data currently held in the memory of a non-contact IC module to the data of the ban on electric-wave dispatch, it can restrict compulsorily the message by the communication equipment in which the cellular phone in specific locations, such as inside of a hospital and a library, concerned is possible automatic again.

[0047] Drawing 5 is a flow chart which shows other actuation of the gating



arrangement in the communication equipment system of this operation gestalt.

This flow chart shows actuation of the gating arrangement at the time of that leaving in case the user who possessed portable communication equipment leaves a specific location.

[0048] Specifically, the gate device control function 52 in a gating arrangement 50 reads discernment data from the memory 33 in the non-contact IC module 30 first (S51). And the gate device control function 52 judges whether it is data which forbid the electric-wave dispatch for a message of the discernment data (S52). Here, when it is judged that discernment data are data which forbid electric-wave dispatch, the gate device control function 52 updates the discernment data memorized in the memory 33 of the non-contact IC module 30 to the data of electric-wave dispatch authorization using the transmit/receive control section 51 and the antenna section 53 (S53).

[0049] On the other hand, when it is judged that it is data with which discernment data permit electric-wave dispatch in step 52, renewal of data of step 53 is not performed, but a condition with the authorization is maintained.

[0050] When a user with portable communication equipment leaves a specific location by these according to this operation gestalt, a gating arrangement Since the discernment data currently held in the memory of a non-contact IC module can be rewritten to the data of electric-wave dispatch authorization When

coming out from the specific location after forbidding a message in specific locations, such as inside of a hospital, and a library, regulation of the message to the communication equipment in which the cellular phone concerned is possible can be canceled automatically.

[0051] C: Modification drawing 6 is the block diagram showing the communication equipment structure of a system concerning the modification of this operation gestalt. In this communication system, it differs from the communication equipment system shown in drawing 1 in that the portable communication equipment 10 possesses the response monitoring facility 14. Other configurations are the same as the communication equipment system shown in drawing 1.

[0052] Here, the response monitoring facility 14 carries out the monitor of the response about the result which the non-contact IC module 61 processed to the signal received from the gating arrangement 50. Moreover, it judges whether the response monitoring facility 14 is what updates the discernment data with which the response is memorized in memory 33. For example, when the discernment data which forbid electric-wave dispatch are received from a gating arrangement 50, the response monitor 14 consists of at least one, such as an indicator which gives an indication to that effect or a buzzer which tells the processing result to a sound, and vibrator which tells the processing result by vibration.

[0053] Even if a user with portable communication equipment goes into a specific location and it becomes impossible to talk over the telephone automatically by these according to this operation gestalt, it can check having gone into the location against a message by seeing or hearing a response monitoring facility etc., and can avoid taking for the message by consumption of a dc-battery etc. being impossible.

[0054] Drawing 7 is the block diagram showing the communication equipment system concerning the modification of the operation gestalt shown in drawing 1. In this modification, the antenna is not formed in the non-contact IC module 71. And the non-contact IC module 71 receives the signal which the gating arrangement 50 sent out as an electric wave using the antenna 24 which the portable communication equipment 10 has. Here, the non-contact IC module 71 receives the electric-wave signal which the antenna 71 received through the communication equipment section 20 and the communication equipment control function 13, and the connection terminal 72 of the portable communication equipment 10. That is, the connection terminal 72 is a terminal which connects electrically between portable communication equipment control 13 of communication equipment 10 and instruction-processing functions of the non-contact IC module 71, and is prepared for the both sides of the portable communication equipment 10 and the non-contact IC module 71. Other

configurations are the same as the communication equipment system shown in drawing 1 .

[0055] Since the antenna 24 used for telephone communication is used also for the communication link between a gating arrangement 50 and the non-contact IC module 71 by these according to this operation gestalt, the antenna only for non-contact IC modules can be made unnecessary. therefore, the communication equipment [ this operation gestalt ] which carries [ a miniaturization and / which can lightweight-ize and incorporate the miniaturization and the lightweight-ized non-contact IC module ] the non-contact IC module of \*\*\*\* which is not equipped with the antenna only for non-contact IC modules -- a miniaturization -- and it can lightweight-ize.

[0056] In addition, although the signal which the gating arrangement sent has permitted / forbidden the message of the communication equipment in which a gestalt is possible with the above-mentioned operation gestalt, this invention is good also as what restricts the power value of the electric wave which the communication equipment in which a gestalt is possible emits based on the signal which it is not limited to this and the gating arrangement sent. Moreover, when the communication equipment in which a gestalt is possible comes out from the predetermined area centering on a gating arrangement for example, it is good also as that of which a message prohibition condition is canceled

automatically.

[0057]

[Effect of the Invention] According to this invention, as explained above, IC module receives the signal which the gating arrangement sent, and since portable communication equipment carries out control of the prohibition of a message, or message authorization based on the signal which the IC module received, it can offer the communication-equipment system and the communication equipment which can restrict automatically and compulsorily the message by the communication equipment in which the cellular phone in specific locations, such as inside of a hospital and a library, concerned is possible.

[0058] That is, according to this invention, it cannot depend on the manners of the possessor of portable communication equipment etc., but \*\* can also restrict use of the communication equipment. Dispatch of the electric wave in the room and building which are influenced [ a certain ] by the electric wave can be forbidden by this, and a communication equipment system with more high safety can be offered.

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## DESCRIPTION OF DRAWINGS

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### [Brief Description of the Drawings]

[Drawing 1] It is the block diagram showing the communication equipment system concerning the operation gestalt of this invention.

[Drawing 2] It is the flow chart which shows actuation of the communication equipment in this operation gestalt.

[Drawing 3] It is the flow chart which shows other actuation of the communication equipment in this operation gestalt.

[Drawing 4] It is the flow chart which shows the actuation at the time of entrance of the gating arrangement in this operation gestalt.

[Drawing 5] It is the flow chart which shows the actuation at the time of leaving of the gating arrangement in this operation gestalt.

[Drawing 6] It is the block diagram showing the communication equipment system concerning other operation gestalten of this invention.

[Drawing 7] It is the block diagram showing the modification of the operation gestalt shown in drawing 1 .

### [Description of Notations]

10 Communication Equipment

11 Electric Power Switch

12 Dc-battery Power Source

13 Communication Equipment Control Function

14 Response Monitoring Facility

20 Communication Equipment Section

21 Transmit/receive Control Section

22 Communication Facility Control Section

23 Dial Functional Control Section

30 Non-contact IC Module

31 Transmit/receive Control Section

32 Instruction-Processing Function

33 Memory

34 R/W Function

40 Repeater Only for Communication Equipment

41 Transmit/receive Control Section

42 Repeater Function Only for Communication Equipment

43 Antenna Section

50 Gating Arrangement

51 Transmit/receive Control Section

52 Gate Device Control Function

53 Antenna Section